



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 30]

नई दिल्ली, शनिवार, जुलाई 26, 1975 (श्रावण 4, 1897)

No. 30]

NEW DELHI, SATURDAY, JULY 26, 1975 (SRAVANA 4, 1897)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 26th July 1975

#### CORRIGENDUM

In the issue of the Gazette of India, Part III, Section 2 dated the 14th June, 1975 under the heading "Patents deemed to be endorsed with the words 'Licences of Right'".

Against No. 126104

For (12-4-69)

read (10-4-69)

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

19th June, 1975

1215/Cal/75. Grasso's Koninklijke Machinefabrieken N.V., A method and an apparatus for manufacturing a gear-wheel for a rotary displacement machine.

1216/Cal/75. Stork-werkspoor Sugar B. V. and Suiker Unie Holding N.V. Method and device for obtaining sugar crystals from a sugar solution.

1217/Cal/75. Messerschmitt-Bolkow-Blohm Gesellschaft Mit beschränkter Haftung. Method primarily for the production of liquidcooled components for rocket combustion chambers or thrust nozzles.

1218/Cal/75. Shell Internationale Research Maatschappij B. V. Process and apparatus for the gasification of oil.

1219/Cal/75. FMC Corporation. Novel phosphonitrilic chloride esters and process. [Addition to No. 141/Cal/74].

1220/Cal/75. Atlantic Richfield Company. Process for the production of isocyanates.

1221/Cal/75. V. Seshamani. An oscillating engine.

167GI/75

1222/Cal/75. Mr. A. L. Bhatia. Improvements in or relating to systems for reducing pol and moisture in bagasse.

20th June, 1975

1223/Cal/75. Indian Institute of Technology. An apparatus for providing a long range continuous speed control.

1224/Cal/75. Burroughs Corporation. Carrier positioning system.

1225/Cal/75. The Dexter Corporation. Process of forming wet laid tufted nonwoven fibrous web and tufted product.

1226/Cal/75. Sunkist Growers, Inc. Conveyor for fragile objects.

21st June, 1975

1227/Cal/75. The Lucas Electrical Company Limited. Cycles. (June 28, 1974).

1228/Cal/75. Bayer Aktiengesellschaft, formerly known as Farbenfabriken Bayer Aktiengesellschaft. Process for the production of new aminophenylamidines. [Divisional date June 9, 1971].

1229/Cal/75. Otto Junker GMBH. Procedure for casting specified quantities of molten metal and device for carrying out this procedure.

1230/Cal/75. Roy E. Irwin and Alfred Aufhauser. Method and apparatus for wax deoiling.

23rd June, 1975

1231/Cal/75. Srimati Pragati Chaudhuri. Process for the preparation of a medicinal composition.

1232/Cal/75. R. Ahmad. An improvement in a carriage type drafting machine.

1233/Cal/75. A. K. Gupta, S. Kumar and J. Lal, Large range digital micromanometer.

1234/Cal/75. Maschinenfabrik Rieter A.G. Method of measuring a quantity of opened fibres. (August 2, 1974).

- 1235/Cal/75. Jayanta Mukerjee and S. K. Bhotika. An apparatus for getting rid of insect pests.
- 1236/Cal/75. Universal Oil Products Company. Hydrodesulfurization catalyst and method of manufacture and use thereof.
- 1237/Cal/75. Union Carbide Corporation. Phosphate stripping of sewage.
- 1238/Cal/75. The Lubrizol Corporation. Hot melt metal working lubricants and methods for their application.
- 1239/Cal/75. AG. FR. Mettler's Sohne Maschinenfabrik. Yarn singe.
- 1240/Cal/75. Veb Arzne Imittelwerk Dresden. Process for the manufacture of new 3-carboxy-1-thia-Isoch-Roman-1-1-dioxide derivatives. [Divisional date April 6, 1970].

24th June, 1975

- 1241/Cal/75. Abex Corporation. Control system for axial piston fluid energy translating device.
- 1242/Cal/75. Flow Research, Inc., High pressure seal.
- 1243/Cal/75. RCA Corporation. Method of making a semiconductor device.
- 1244/Cal/75. UCB, S.A. Continuous process for the production of tetramethylthiuram disulfide and ammonium sulfate. (June 25, 1974).
- 1245/Cal/75. Wendell E. Dunn, Inc. and Wendell Earl Dunn, Jr. Process for beneficiating a titaniferous ore and production of chlorine and iron oxide.
- 1246/Cal/75. E. Pedro. A rotary structure for the support of loads.
- 1247/Cal/75. Pont-A-Mousson S.A. Process and installation for extracting pipes from a centrifugal casting machine.
- 1248/Cal/75. Pont-A-Mousson S.A. Process and device for centrifugally casting spheroidal graphite cast iron pipes.

25th June, 1975

- 1249/Cal/75. Hoechst Aktiengesellschaft. Insecticidal compositions.
- 1250/Cal/75. Wiggins Teape Limited. Coated paper. (July 4, 1974).
- 1251/Cal/75. J. N. Lowe and B. C. Grebe. Improvements relating to the casting of articles containing calcined gypsum. (August 7, 1974).
- 1252/Cal/75. J. N. Lowe and B. C. Grebe. Improvements in constructional units. (August 7, 1974).
- 1253/Cal/75. Siemens Aktiengesellschaft. Electric cables.
- 1254/Cal/75. Chicago Pneumatic Tool Company. Over-speed safety control mechanism for rotary tools.
- 1255/Cal/75. Johns-Manville Corporation. An electric furnace with an improved furnace outlet.
- 1256/Cal/75. Carrier Corporation. Spring bias for a damper door of an air conditioning unit.
- 1257/Cal/75. Carrier Corporation. Means for mounting a rotatable lever in a thin wall.
- 1258/Cal/75. Meftina S.A. Electronic firing device for projectiles.
- 1259/Cal/75. Meftina S.A. Electric firing device for a pyrotechnic charge.

## APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

9th June, 1975

- 154/Bom/75. Swastik Textile Trading Co. Private Ltd. A treatment chamber in and for an apparatus for treating fabrics with high temperature steam at atmospheric pressures and particularly in substantial or total absence of air. [Divisional date January 17, 1974].

10th June, 1975

- 155/Bom/75. Dr. B. B. Paul. A process for the manufacture of plantation white sugar from sugar cane.
- 156/Bom/75. A. N. Nimkar. Improvements in or relating to electrical terminals.

11th June, 1975

- 157/Bom/75. S. R. Mhatre. Manufacture of stamp-pad contained with plastic clip.
- 158/Bom/75. V. H. Chavda. Improved centrifugal grinder.

12th June, 1975

- 159/Bom/75. P. L. Lokgariwar. Activating fuel gas by electron radiation.
- 160/Bom/75. B. D. Behere. A mixture-cum-dryer/dehydrator.
- 161/Bom/75. Electro Ceramics India. A magnetic separator.
- 162/Bom/75. Dr. B. B. Paul. An equipment—continuous water cooled crystallizer for cane sugar industry.
- 163/Bom/75. Dr. B. B. Paul. An equipment—continuous juice sulphiter for cane sugar industry.

## ALTERATION OF DATE

125288. The claim to convention date 21st February, 1969 has been abandoned and the application dated as of 16th February, 1970, the date of filing in India.
127424. Ante-dated to 24th June, 1969.  
137456.
- 2822/Cal/74. Ante-dated to 26th November, 1968.  
137449.
- 48/Bom/75. Ante-dated to 14th September, 1973.  
137463.
- 1423/Cal/74. Ante-dated to 13th December, 1972.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. & 55E. I.C.-CO7d 53/06. 83420.

## PROCESS FOR THE MANUFACTURE OF BENZODIAZEPINE DERIVATIVES.

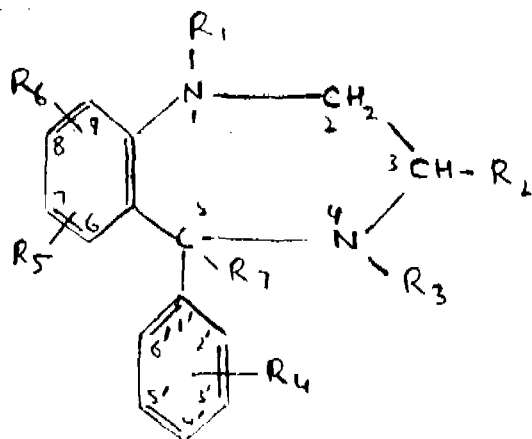
F. HOFFMANN-LA ROCHE & CO. AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

Application No. 83420 filed July 25, 1962.

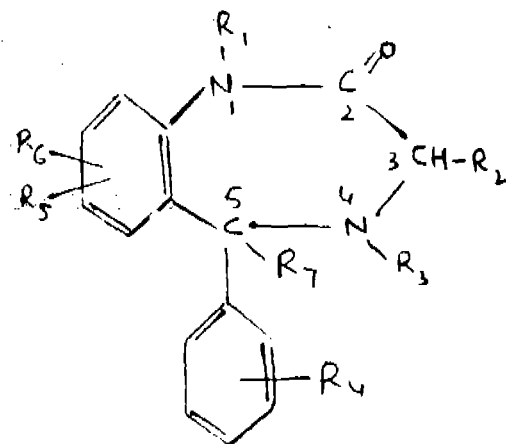
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A process for the manufacture of benzodiazepine derivatives of formula I.



which comprises reacting a compound of the general formula (II).



wherein  $R_1$  and  $R_6$  represent hydrogen, lower alkyl, lower alkenyl or lower alkanoyl,  $R_2$  represents hydrogen or lower alkyl and  $R_3$ ,  $R_4$  and  $R_7$  represent hydrogen, halogen, trifluoromethyl, amino, nitro, lower alkylthio, lower alkylsulfonyl, lower alkylsulfinyl, lower alkoxy, hydroxy, lower alkyl or di-lower alkylamino, and  $R_7$  represents hydrogen or together with  $R_3$  an additional C-N-bond, with lithium aluminum hydride, and, if desired, transforming in a known manner as herein described a basic reaction product obtained in this way into an acid addition salt thereof.

CLASS 32F.d & 55E, I.C.-CO7C 169/26.

87074.

#### PROCESS FOR PREPARING 17 $\alpha$ -ALKYLATED PREGNANE DERIVATIVES.

AYERST, MCKENNA & HARRISON, LIMITED, OF 1025 LAURENTIEN BOULEVARD, SAINT LAURENT, PROVINCE OF QUEBEC, CANADA.

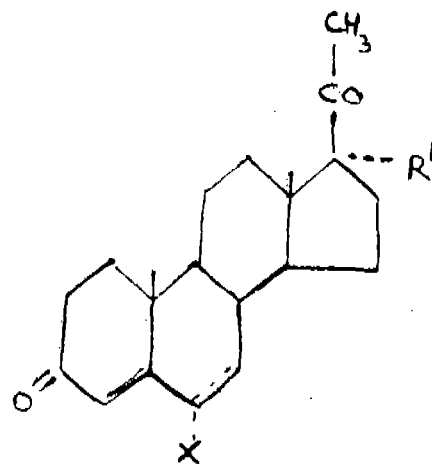
Application No. 87074 filed March 22, 1963.

Convention date March 23, 1962/(845,095) CANADA.

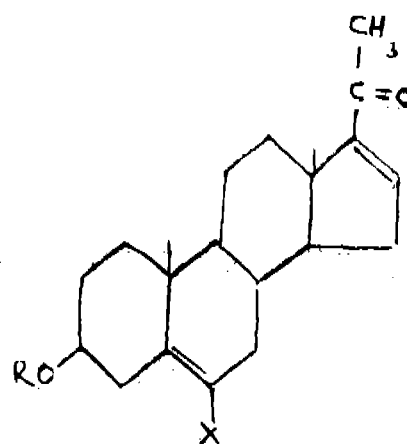
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

The process of preparing a 17  $\alpha$  -alkylated pregnane derivative of the formula V.



wherein  $R'$  represents a straight chain lower alkyl group containing from 1 to 4 carbon atoms and X represents hydrogen or methyl which comprises bringing together a steroidal  $\alpha$ ,  $\beta$  -unsaturated 20-ketone of the general formula I.



where R is hydrogen or acyl and X is selected from the group consisting of hydrogen and methyl, dissolved in a non-hydroxylated solvent miscible with liquid ammonia and inert to alkali metal dissolved therein, with a solution of an alkali metal in liquid ammonia and with an alkylating agent thereby to form the corresponding 17  $\alpha$  -alkylated pregnenolone, and dehydrogenating the latter by means of an Oppenauer-type oxidation to form the corresponding 17  $\alpha$  -alkylated progesterone or 17  $\alpha$  -alkylated -4, 6- pregnadiene-3, 20-dione.

CLASS 32F.d. I.C.-CO7C 169/02, 169/10.

99765.

#### PROCESS FOR THE PREPARATION OF 7 $\alpha$ -METHYL-STERIODS OF THE OESTRANE SERIES.

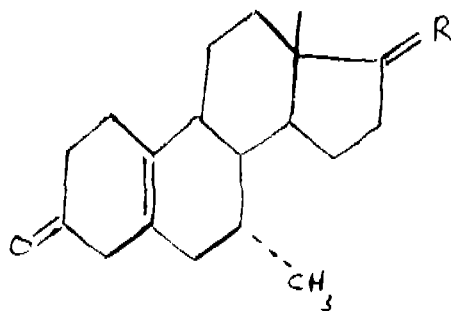
N. V. ORGANON, OF KLOOSTERSTRAAT 6, OSS, THE NETHERLANDS.

Application No. 99765 filed May 27, 1965.

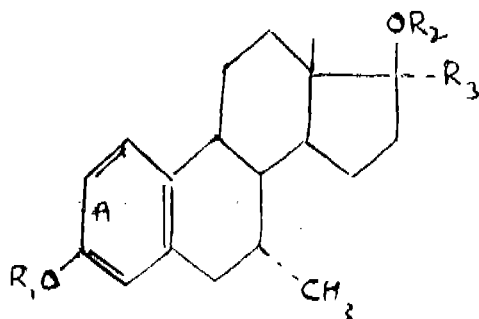
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Process for the preparation of novel 7  $\alpha$ -Methyl-steroids of the formula shown in Fig. 1.



wherein R=a keto group, or the group OX ( $\alpha$  Y), in which X is hydrogen, or an acyl group, and Y is hydrogen, or a lower alkyl, alkenyl or alkynyl group starting from a compound of the formula shown in Fig. 2.



wherein R<sub>1</sub> = a hydrocarbon radical,

R<sub>2</sub> = hydrogen or an acyl group, and

R<sub>3</sub> = hydrogen, a lower alkyl group, or an lower alkenyl group, reducing this compound by a method known per se so as to convert the aromatic ring A into the  $\Delta$  2, 5(10)-group, after which the 3-enoether group is hydrolysed by treatment with an acid under mild conditions to prepare the compounds having the desired  $\Delta$  5(10)-3-oxo-7- $\alpha$ -methyl group, said hydrolysis being preceded and/or followed by the introduction of the substituents requisite in 17-position and not yet present, according to methods known per se.

CLASS 32F<sub>3a</sub>. I.C.-CO7C 129/02.

100901.

# METHOD FOR PREPARING GUANIDINES AND ACID ADDITION SALTS THEREOF.

THE WELLCOME FOUNDATION LIMITED, OF 183-193, EUSTON ROAD, LONDON, N, W, 1, ENGLAND.

Application No. 100901 filed August 2, 1965.

Convention date August 5, 1964/(31828/64) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A process for preparing N-benzyl-N'', N''-dimethylguanidine, or an acid addition salt thereof, comprising reacting a dialkyl N-unsubstituted imidocarbonate with benzylamine in the form of a salt or in the presence of an acid so as to form the corresponding N-benzylimidocarbonate, and reacting this product with methylamine in the presence of an acid or an acid addition salt of methylamine so as to form the corresponding N-benzyl-N'', N''-dimethylguanidine acid addition salt.

CLASS 32F<sub>3a</sub>. & 170A. I.C.-C11d 1/02, 1/38, 1/66, 3/04. 114400.

## AN IMPROVED DETERGENT COMPOSITION.

CINCINNATI MILACRON INC., 4701 MARBURG AVENUE, CINCINNATI 9 OHIO 45209 U.S.A. AND FORMERLY KNOWN AS THE CINCINNATI MILLING & MACHINE COMPANY.

Application No. 114400 filed February 7, 1968.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 24 Claims. No drawings.

An improved detergent composition causing reduced skin irritation, comprising an organic detergent as herein described capable of causing skin irritation and a mildness additive having the general formula



wherein R is a divalent organic radical containing a chain of at least 15 atoms between the open valences of the radical, and a cyclic moiety of at least 5 carbon atoms, and wherein Y and Y' are polar groups such as herein defined, said mildness additive or its salt being soluble or colloiddally dispersible in aqueous or other suitable conventional media; the weight ratio of said mildness additive to said detergent being from 0.005 to 10.

CLASS 32F<sub>3b</sub>. I.C.-CO7d 99/14.

121574.

# PROCESS FOR THE PREPARATION OF 6-(1-AMINO-CYCLOALKYL-CARBOXAMIDO) PENICILLANIC ACIDS.

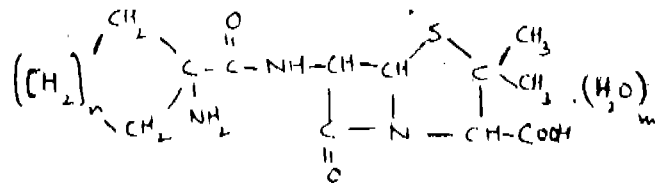
AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 121574 filed May 29, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A process for the preparation of 6-(1-aminocycloalkylcarboxamido) penicillanic acids having the formula shown in the accompanying drawing.



in which n is 2 or 3 and m is a value from 1 to 10, which comprises

(A) contacting the hydrated form of a compound of the above formula having at least one molecule of water chemically bound therewith, with methanol as a dehydrating solvent admixed, if desired, with up to 75% by volume of water, at temperatures from  $-10^{\circ}\text{C}$  to the reflux temperature of the methanol when methanol alone is used or from  $-10^{\circ}\text{C}$  to about  $35^{\circ}\text{C}$  where water is present, and

(B) separating and drying the insoluble crystals.

CLASS 32C & 55E<sub>a</sub> + E. I.C.-CO7g 11/00. 121973.

PROCESS FOR THE PRODUCTION OF ANTIBIOTIC 66-40, ITS SOLVATES AND SCHIFF BASES.

SCHERICO LTD., OF TOPFERSTRASSE 5, LUCERNE, SWITZERLAND.

Application No. 121973 filed June 24, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Process for the production of an antibiotically active product designated Antibiotic 66-40, in its free form or in the form of solvates or Schiff bases, which comprises incubating a microorganism of the species *Micromonospora inyoensis* in an aqueous nutrient medium under aerobic conditions until substantial antibacterial activity is imparted to said medium and isolating in known manner the antibiotically active product therefrom in the free form or in the form of a solvate and, if desired, converting in known manner the said product into a Schiff base.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. I.C.-CO7d 41/00. 122179.

PROCESS FOR THE PREPARATION OF 5-ARYL-1H-1, 5-BENZODIAZEPINE-2, 4- DIONES.

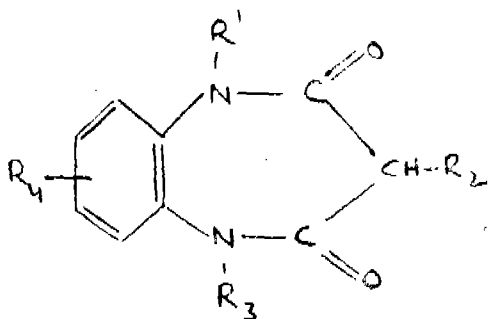
BOEHRINGER INGELHEIM GMBH., OF INGELHEIM AM RHEIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 122179 filed July 9, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

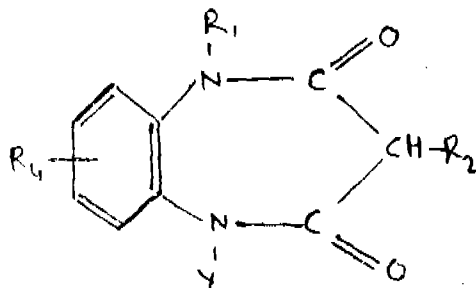
Process for the production of novel-5-aryl-1H-1, 5-benzodiazepine-2, 4-diones of general formula I.



wherein R<sub>1</sub> represents a straight or branched alkyl group with 1—4 carbon atoms optionally substituted by a halogen atom, a hydroxy, alkoxy or acyloxy group, a dialkylamino group with 2—4 carbon atoms or a 5-resp. 6-membered heterocyclic ring linked via the nitrogen atom with the alkyl chain, the allyl group, which may optionally be substituted by one or two methyl groups or a chlorine atom, the cyclohexyl group, a cycloalkenylmethyl group or a cycloalkenylmethyl group with 4—7 carbon atoms, an aryl group, which may optionally be substituted once or twice by the methyl or methoxy group or a halogen atom, a phenylalkyl group with 7—8 carbon atoms or a heteroaryl group, R<sub>2</sub> hydrogen or the methyl group, R<sub>3</sub> the naphthyl, pyrimidinyl, pyrazinyl, pyridazinyl, thienyl, furyl to pyridyl group, whereby the latter may optionally be substituted by a methyl group or a halogen atom, or the group of formula XII.



R<sub>4</sub> hydrogen, the methyl, methoxy, trifluoromethyl or cyano group, a halogen atom or a lower acyl or alkoxycarbonyl group with one or two carbon atoms, R<sub>5</sub> hydrogen, the methyl, ethyl, methoxy, trifluoromethyl, cyano or nitro group, a halogen atom or a lower acyl or alkoxycarbonyl group and R<sub>6</sub> hydrogen, the methyl, ethyl or methoxy group or a halogen atom, which comprises arylating or hetero-aryllating a 1H-1, 5-benzodiazepine-2, 4-dione of general formula II.



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> have the meanings indicated above and Y represents hydrogen, an alkali metal or an acyl group, with a compound of general formula III.

X—R<sub>3</sub>

wherein R<sub>4</sub> has the meaning indicated above and X represents a halogen atom, at the nitrogen atom 5.

CLASS 32C, 55E<sub>1</sub> & 83A<sub>1</sub> + A<sub>2</sub>. I.C.-CO7g 7/02. 125288.

A PROCESS FOR PREPARING PROTEOLYTIC ENZYME CONTAINING COMPOSITION.

MICHEL HOOREMAN, OF 20 RUE JULES FERRY, 95-ENGHIEN, FRANCE.

Application No. 125288 filed February 16, 1970.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the preparation of a proteolytic enzyme-containing composition which comprises culturing a microorganism as hereinbefore described in a fermentation medium until samples of the medium exhibit the following characteristics and then isolating or concentrating the composition :

(a) 0.1 ml. of an aqueous solution containing 250 A.U. (as hereinbefore defined) of the said composition and buffered to pH 7.5 reduces the viscosity of 1 g. of intestinal mucus by a maximum of 5% more, relative to the viscosity of the untreated mucus, than the same solution containing trypsin in place of the composition, the enzymatic degradations both taking place over 30 minutes;

(b) 0.1 ml. of an aqueous solution containing 250 A.U. (as hereinbefore defined) of the said composition and buffered to pH 7.5 reduces the viscosity of 1 g. of intestinal mucus by a minimum of 5% less, relative to the viscosity of the untreated mucus, than the same solution containing chymotrypsin in place of the composition, the enzymatic degradations both taking place over 30 minutes; and

(c) the said composition is insensitive to trypsin inhibitors.

CLASS 32F<sub>2</sub>b. I.C.-CO7C 103/52, A61K 27/00. 126828.

A PROCESS OF PREPARING NOVEL N α -ACETYL-2-O-METHYLTYROSINEOXYTOCIN.

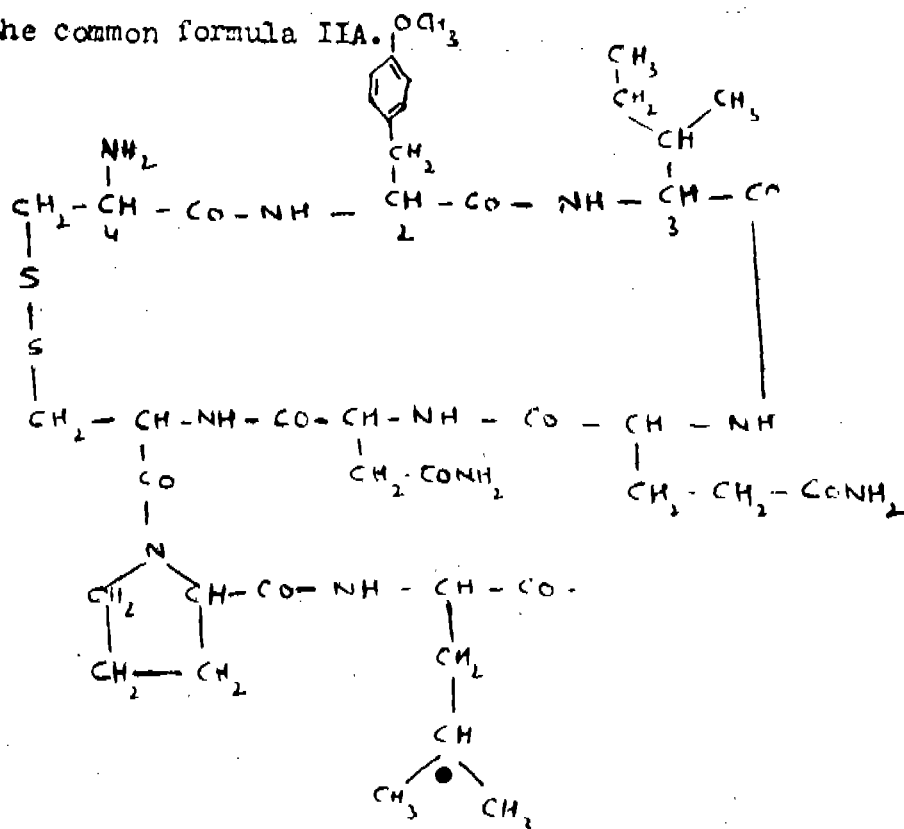
CESKOSLOVENSKA AKADEMIE VED, NO. 3, NARODNI, PRAHA CZECHOSLOVAKIA.

Application No. 126828 filed May 27, 1970.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



and to the common formula IIA.



in dimethylformamid at 0°C— +5°C with an active ester of acetic acid, preferably 5-chloro-8 acetoxyquinoline, or acetic anhydride or acetyl halide.

CLASS 32C & 55E<sub>2</sub> + E<sub>4</sub>. I.C.-CO7g 11/00. 127424.

PROCESS FOR THE PREPARATION OF PHARMACEUTICALLY ACCEPTABLE SALTS OF A NOVEL ANTIBIOTIC DESIGNATED ANTIBIOTIC 66-40.

SCHERICO LTD., OF TOPFERSTRASSE 5, LUCERNE, SWITZERLAND.

Application No. 127424 filed July 6, 1970.

Division of application No. 121973 filed June 24, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for the preparation of pharmaceutically acceptable salts of a novel antibiotic designated Antibiotic 66-40, characterized in that the Antibiotic 66-40 or a Schiff base or solvate thereof is reacted with the respective acid or a partly neutralized polybasic acid, and the so-obtained corresponding acid addition salt is isolated in a usual manner, which may cause the isolated salt to contain a certain amount of solvent, so as to be in solvate form

CLASS 83A<sub>1</sub> + A<sub>2</sub>. I.C.1A23b, 1/42, 1/44. 131163.

METHOD OF PRODUCING PROTEIN-CONTAINING FOOD.

ORDENA LENINA INSTITUT ELEMENTOORGANICHESKIKH SOEDINENY, OF ULITS A VAVILOVA, 28, MOSCOW, USSR.

Application No. 131163 filed April 28, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A method of producing protein-containing foodstuffs imitating lamellar-structure meat products, involving the following operations: preparation of a colloidal solution of the known food substances selected from proteins, charged polysaccharides, fats, food colours, and flavouring agents and a solution of salts of at least bivalent metals; by known method diffusion of ions of at least bivalent metals from said solutions of salts of said metals into said colloidal solution through a semi-permeable membrane by means of which said solutions get in contact with each other, with the result that an ionotropic gel is formed; congelation of said gel by known technique followed by its defrosting to split into the elements of lamellar structure; impregnation of said elements of lamellar structure with known food binders; bonding together said elements of lamellar structure impregnated with known food binders.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b & 55E<sub>2</sub>. I.C.-CO7C 49/66. 131990.

PROCESS FOR THE PREPARATION OF NATHOQUINONE DERIVATIVES.

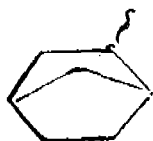
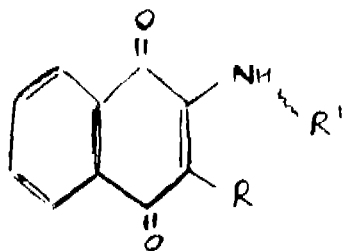
F. HOFFMANN-LA ROCHE & CO. AKTIENGESellschaft, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

Application No. 131990 filed July 5, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

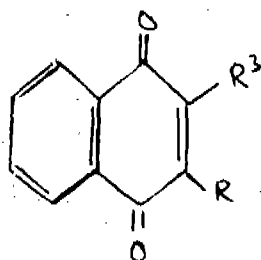
Process for the manufacture of naphthoquinone derivatives of the general formula I.



wherein R represents a hydrogen or halogen atom or a lower alkoxy group and R' represents a grouping of the formula (a) or (b).



in which R<sup>a</sup> represents a hydrogen atom, a lower alkyl group, an optionally substituted phenyl group or a phenyl-(lower alkyl) group, which process comprises reacting a compound of the general formula II.



wherein R has the significance given above and R<sup>a</sup> represents a leaving atom or group, with an amine of the general formula III.



wherein R<sup>a</sup> has the significance given above, and, if desired, converting in known manner, a naphthoquinone derivative of formula I obtained in which R represents a hydrogen atom or a halogen atom other than a chlorine atom into a corresponding derivative in which R represents a chlorine atom.

CLASS 24D<sub>1</sub> & 205G. I.G.-B60t 1/08.

137444.

SWIVELLING CASTOR WHEEL WITH BRAKES.

CHERUKUR KRISHNASWAMY BHASKAR, 3-A, NUNGAM BAKKAM HIGH ROAD, MADRAS-600034, TAMILNADU, INDIA.

Application No. 63/Mas/73 filed April 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 3 Claims.

A swivelling castor wheel with brakes characterised by the provision of a brake applying means by which the wheel can be braked while the said wheel is simultaneously revolving on

its horizontal axis and swivelling on vertical swivel axis said brake applying means comprising a brake rod with a swivel eye wherein the axes of said rod and swivel eye coincide with the axis of swivel, said brake rod actuates a lever system and a brake shoe for applying necessary frictional forces on said wheel.

CLASS 208. I.C.-B43K 7/02, 7/04, 7/06, 7/08.

137445.

A BALL POINT CARTRIDGE ASSEMBLY.

GORDON SMISER LACY, DOING BUSINESS AS PACIFIC RESEARCH LABORATORY, AT 529 WEST FOURTH STREET, ESCONDIDO, CALIFORNIA, U.S.A.

Application No. 1995/72 filed November 27, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A ball point pen cartridge comprising a plastic cartridge equipped with a copper alloy nib, an ink charge in said cartridge containing dye type coloring matter, and an additive comprising an antioxidant and/or a corrosion inhibitor dispersed in said ink charge effective to react with oxygen migrating through the wall of said plastic cartridge and prevent said oxygen from reacting with interior surfaces of said nib to form copper corrosion products which, if present, reacts with an ingredient of said ink charge to form an ink flow-blocking mass at the nib entrance.

CLASS 40F & 132C. I.C.-C10g 9/32.

137446.

FLUIDIZED BED REACTOR.

FOSTER WHEELER CORPORATION, LOCATED AT 110 SOUTH ORANGE AVENUE, LIVINGSTON, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 1605/72 filed October 9, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A fluidized bed reactor for producing a gas rich in ethane and methane comprising

a vessel,

a plurality of inlets for admitting oil and hydrogen, said inlets including oil feed pipe means that is placed coaxially with and inside of a hydrogen gas feed pipe means and said inlets being adjacent to the bottom of said vessel,

an outlet for directing the product gas out of said vessel, said outlet being adjacent to the top of said vessel,

a plurality of mixing risers above said inlets and extending vertically in the lower portion of said vessel, said mixing risers being of a larger diameter than and coaxial with said inlets so that said oil and hydrogen are admitted into said mixing risers,

an upper riser extending vertically higher than and in communication with said mixing risers, said upper riser being of considerably greater cross-sectional area than said mixing risers so that coke in the fluidized bed will continuously pass upwardly through said mixing risers and said upper riser and downwardly in the spaces outward of said risers.

CLASS 136-E. I.C.-B29f 1/03.

137447.

INJECTION NOZZLE FOR PINPOINT GATE.

NISSEI PLASTICS INDUSTRIAL CO., LTD., AT 2110, OAZA MINAMIJO, SAKAKI-MACHI, HANISHINA-GUN, NAGANO-KEN, JAPAN.

Application No. 1152/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

An injection nozzle for pinpoint gate characterized in that said injection nozzle is provided with a stopper disk, the posi-



tion of which being adjustable so as to share the nozzle touch force with the semi-spheric portion of the nozzle tip.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. I.C.-CO7d 51/48.

137448.

# PROCESS FOR THE PREPARATION OF NEW 3-BENZOTRIAZINYL-3-TETRAHYDRO-QUINAZOLINYL COMPOUNDS.

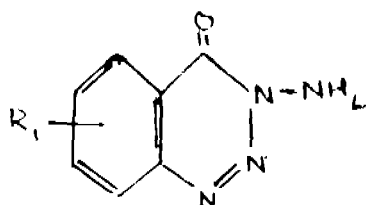
HOECHST PHARMACEUTICALS LIMITED, OF DUGAL HOUSE, BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA STATE, INDIA.

Application No. 558/72 filed June 15, 1972.

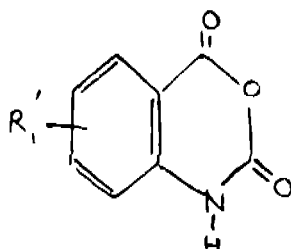
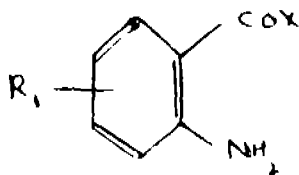
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A process for the preparation of benzotriazinyl-tetrahydroquinazolinyl compounds of the general formula shown in Fig. 1.



of the provisional specification, wherein R is alkyl, alkenyl or alkynyl with 1-6 C-atoms; an unsubstituted or substituted phenyl group in which one or more of the substituents, hydroxy, methoxy, amino, alkylamino, methyl, trifluoromethyl, nitro, fluoro, chloro or bromo, or cyano or sulphonie acid group may be present; an aralkyl group like the benzyl group wherein the phenyl nucleus may be substituted by the substituents mentioned earlier; or a heterocyclic group like a nitrofuranyl group; and R<sub>1</sub> and R'<sub>1</sub> are hydrogen or one or more optional substituents like alkyl, alkoxy, hydroxy, halogen, nitro, amino, alkylamino, acylamino, trifluoromethyl, carboxyl, cyano and sulphonie acid groups, which process comprises reacting a compound of the general formula shown in Fig. 1, of the accompanying this specification, in which R<sub>1</sub> is as defined above with an active carbonyl compound selected from the group of the compounds having the general formulae shown in Figs. 2 and 3



accompanying this specification, in which R'<sub>1</sub> is as defined above and X is either an alkoxy group like methoxy and ethoxy, or a halogen atom, like chlorine and bromine and condensing the product obtained with an aldehyde of the general formula RCHO in which R has the meaning previously defined.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. I.C.-CO7d 51/48.

137449.

# PROCESS FOR THE PREPARATION OF NEW 3-BENZOTRIAZINYL-TETRAHYDRO-QUINAZOLINYL COMPOUNDS.

HOECHST PHARMACEUTICALS LIMITED, OF DUGAL HOUSE, BACKBAY RECLAMATION, BOMBAY 20, MAHARASHTRA STATE, INDIA.

2-167 GI/75

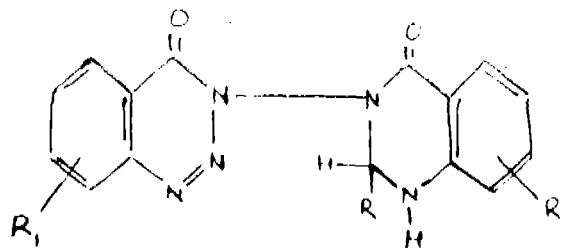
Application No. 48/Bom/75 filed February 25, 1975.

Division of Application No. 558/72 filed September 14, 1973.

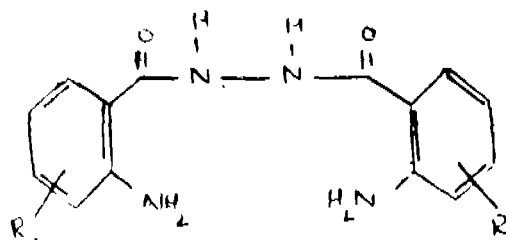
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A process for the preparation of benzotriazinyl-tetrahydroquinazolinyl compounds of the general formula shown in Fig. 1.



wherein R is alkyl, alkenyl or alkynyl with 1-6 C-atoms; an unsubstituted or substituted phenyl group in which one or more of the substituents such as hydroxy, methoxy, amino, alkylamino, methyl, trifluoromethyl, nitro, fluoro, chloro or bromo, or cyano or sulphonie acid group may be present; an aralkyl group like the benzyl group wherein the phenyl nucleus may be substituted by the substituents mentioned earlier; or a heterocyclic group like a nitrofuranyl group; and R<sub>1</sub> and R'<sub>1</sub> are hydrogen or one or more optional substituents like alkyl, alkoxy, hydroxy, halogen, nitro, amino, alkylamino, acylamino, trifluoromethyl, carboxyl, cyano and sulphonie acid aralkyl group like the benzyl group wherein the phenyl nucleus groups, which process comprises reacting N, N'-(2-amino-benzoyl)-hydrazines of the general formula shown in Fig. 2.



wherein R<sub>1</sub> and R'<sub>1</sub> are as defined above, with an aldehyde of the general formula RCHO, in which R has the meaning previously defined, and the products are then diazotised.

CLASS 32F<sub>1</sub>a. I.C.-CO7d 5/16.

137450.

# PROCESS FOR THE PREPARATION OF FURANE COMPOUNDS.

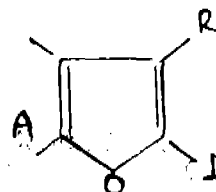
HOECHST AKTIENGESellschaft OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Application No. 1147/72 filed August 11, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

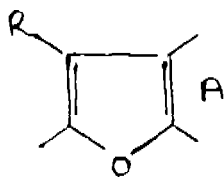
11 Claims.

A process for the preparation of a compound of the formula (1).

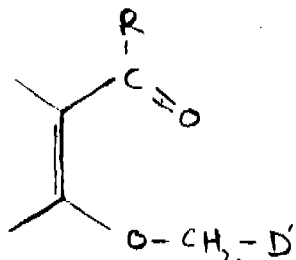


wherein A is an aromatic mono or polynuclear ring system which is condensed with the furane nucleus with two adjacent carbon atoms as indicated, R is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms or a phenyl group and D is phenyl, naphthyl, styryl, benzofuranyl, naphthofuranyl, benzoxazolyl, mono- or di- (lower alkyl)-benzoxazolyl, naphtho-

xazolyl or a bivalent group selected from ethenylene, phenylene, p, w-styrylene and 4, 4'-biphenylene which bivalent group is substituted by a group of the formula 9'.



in which A and R are as defined above, which radical D may be substituted by carboxy, lower carboalkoxy, cyano, nitro or benzofuryl, which comprises splitting off water with a strongly basic condensating agent such as herein defined from a compound of the formula (2).



wherein A and R are as defined as above and D' is same as D as defined above.

CLASS 32F.b. I.C.-CO7d 51/48.

137451.

PROCESS FOR PRODUCING 2-HYDROXYMETHYL-3-PHENYL-4-(3H)-QUINAZOLINONE.

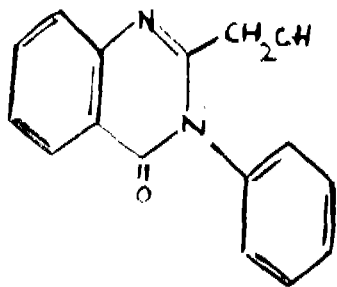
MICHIRO INOUE, OF 26-3, 6-CHOME, KOKURYO-CHO, CHOFU-SHI, TOKYO, JAPAN, MASAYUKI ISHIKAWA, OF 14-13, 3-CHOME, AKAZUTSUMI, SETAGAYA-KU, TOKYO, JAPAN, TAKASHI TSUCHIYA, OF 17-25, 5-CHOME, MINAMIKOIWA, EDOGAWA-KU, TOKYO, JAPAN, AND TAKIO SHIMAMOTO, OF 13, KITAMACHI, SHINJUKU-KU, TOKYO, JAPAN.

Application No. 1317/Cal/73 filed June 5, 1973.

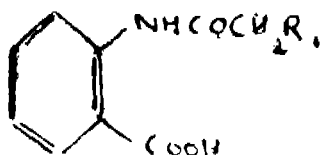
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for producing 2-hydroxymethyl-3-phenyl-4-(3H)-quinazolinone of the formula I.

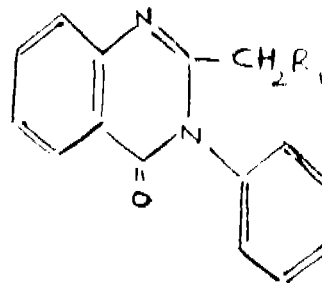


or its acid addition salt, characterized in that a compound of the formula II.



wherein R<sub>1</sub> stands for a halogen atom, or an acetoxy, benzoyloxy or benzyloxy group, is reacted with aniline in the pre-

sence of  $\text{PCl}_5$  or  $\text{POCl}_3$ , and then the obtained product of the formula III.



wherein R<sub>1</sub> has the same meaning as in formula II, is hydrolysed or hydrogenated in a known manner such as herein described, and, if desired, the compound of formula I thus obtained is converted to its acid addition salt in known manner such as herein described.

CLASS 32F. I.C.-CO7C 25/00, CO7C 25/22.

137452.

A PROCESS FOR THE PREPARATION OF 2, 10-DICHLORO-12-METHYL-12H DIBENZO [d, g] [1, 3] DIOXOCINE DERIVATIVES.

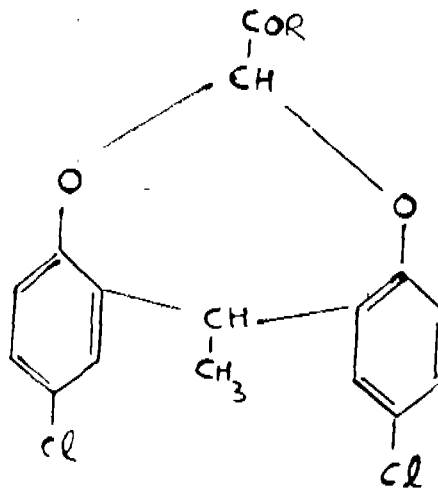
EGYT GYOGYSZERVEGYESZETI GYAR, OF 30, KERESZTURI U., BUDAPEST X, HUNGARY.

Application No. 2215/Cal/73 filed October 1, 1973.

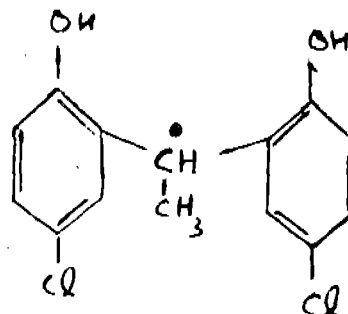
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

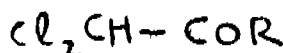
A process for the preparation of a 2, 10-dichloro-12-methyl-12H-dibenzo (d, g) (1, 3) dioxocine compound of the general formula (I).



wherein R represents a hydroxy group, a straight-chained or branched  $\text{C}_{1-4}$  alkoxy group or a straight-chained or branched  $\text{C}_{1-4}$  alkylamino group, or the salts of the compound of the aforesaid general formula (I) wherein R stands for hydroxy, in which 1, 1-bis-(2-hydroxy-5-chlorophenyl)-ethane of the formula (II).



is reacted with a dichloro compound of the general formula (III).



wherein R has the same meaning as defined above, in a polar solvent, in the presence of a base, and, if desired, the carboxylic acid is esterified in a known manner as herein described to yield the corresponding C<sub>1-4</sub> alkyl ester and, if desired, a compound of the said general formula I, wherein R is hydroxy, is reacted with a base to form a salt.

CLASS 32F:c + F:d. I.C.-CO7C 47/00, 49/00, 45/16.

137453.

#### PROCESS FOR THE MANUFACTURE OF OXO COMPOUNDS.

F. HOFFMANN-LA ROCHE & CO. AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

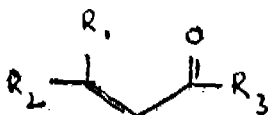
Application No. 2327/Cal/73 filed October 19, 1973.

Convention date November 2, 1973/(50558/72) U.K.

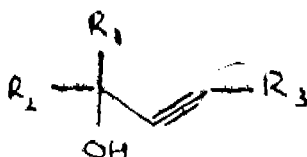
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

36 Claims.

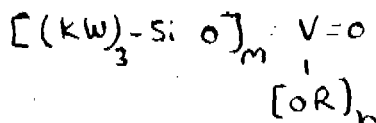
A process for the manufacture of oxo compounds of the general formula I.



wherein R<sub>1</sub> represents a hydrogen atom or a lower alkyl group and R<sub>2</sub> represents a saturated or unsaturated alkyl group, which may be linked with a saturated or unsaturated cycloalkyl group, or a saturated or unsaturated cycloalkyl group or R<sub>1</sub> and R<sub>2</sub> are joined together to form a saturated or unsaturated cycloalkyl group which may be condensed with one or more saturated or unsaturated cycloalkyl groups, and R<sub>3</sub> represents a hydrogen atom or a saturated or unsaturated alkyl group, which may be linked with a saturated or unsaturated cycloalkyl group, or a saturated or unsaturated cycloalkyl group, and wherein said alkyl and cycloalkyl groups can be substituted, if desired, by lower alkyl, lower alkoxy, hydroxy, oxo (which may be ketalised), lower alkanoyl, aroyl lower alkanoyloxy or aroyloxy, which process comprises isomerising a carbinol of the general formula II.



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> have the significance given earlier in this claim, with the aid of a catalyst of the general formula III.



wherein KW represents a hydrocarbon group selected from lower alkyl, higher alkyl, cycloalkyl, phenyl and phenyl-(lower alkyl) (said groups being substituted by lower alkyl if desired), R represents a KW or (KW)<sub>2</sub>-Si group, m stands for 1, 2 or 3 and n stands for zero, 1 or 2 provided that the sum of m and n is 3, with the addition of a silanol of the general formula IV,



wherein KW has the significance given earlier in this claim.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. I.C.-CO7d 99/14.

137454.

#### PROCESS FOR THE MANUFACTURE OF 6-D(-)-α-AMINOPHENYLACETAMIDO-PENICILLANIC ACID.

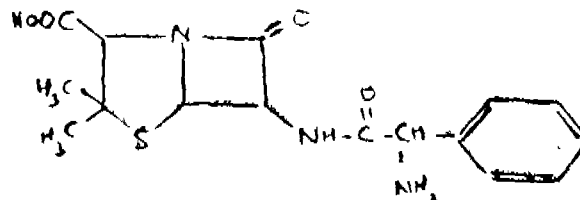
KRKA TOVARNA FARMACEVTSKIH IN KEMICNIH IZDELKOV, OF KOMANDANTA STANETA 19, NOVO MESTO, YUGOSLAVIA.

Application No. 2353/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

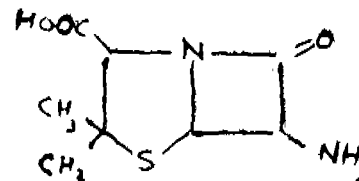
8 Claims.

A process for the manufacture of the 6-D(-)-α-aminophenylacetamido/-penicillanic acid of the formula I.

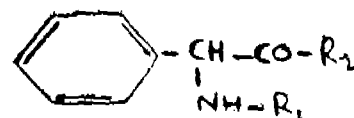


which comprises

(a) the condensation of the 6-aminopenicillanic acid of the formula II.



with a substituted D-phenylglycine of the general formula III.



wherein R<sub>1</sub> stands for a 2-(1-carbalkoxy)-propenyl group, a 2-(α-alkylacarbonyl)-propenyl group or a hydrogen atom. R<sub>2</sub> stands for an oxycarbethoxy group, an oxyacyl group, a cyanomethylene group, a p-nitrophenyl group, a 2, 4, 5-trichlorophenyl group or a halogen atom, R<sub>1</sub> and R<sub>2</sub> taken together form an oxycarbonyl group,

(b) the extraction with chlorinated hydrocarbons of 1 to 2 carbon atoms and 1 to 3 chlorine atoms, and

(c) the treatment with primary or secondary aliphatic alcohols of 1 to 4 carbon atoms.

CLASS 55E<sub>1</sub>. I.C.-A61K 21/00.

137455.

#### PROCESS OF MAKING AN AQUEOUS SOLUTION OF DOXYCYCLINE.

PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 2363/Cal/73 filed October 24, 1973.

Convention date December 27, 1972/(59710/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process of making an aqueous solution of doxycycline stable and suitable for parenteral administration which comprises dissolving in water 1-10% by weight of a pharmaceutically acceptable acid addition salt of doxycycline together with at least 3 molar proportions of a water-soluble alkali metal phosphate salt and at least 3 molar proportions of a pharmaceutically acceptable water-soluble magnesium salt, and adjusting the pH of the solution to within the range of 1.0-3.5.

CLASS 32F<sub>1</sub> + F<sub>2</sub>b. I.C.-CO7d 27/56.

137456.

#### PROCESS FOR THE PREPARATION OF NEW N-(1-ALKYL-2-PYRROLIDYLMETHYL)-3-ALKOXY-(OR HYDROXY)-INDOLES-2-CARBOXAMIDES.

SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE, OF 46 BOULEVARD DE LA TOUR MAUBOURG, PARIS 7E, FRANCE.

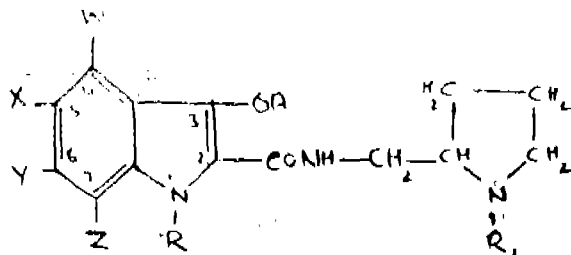
Application No. 2822/Cal/74 filed December 20, 1974

Division of Application No. 118762 filed November 26, 1968.

Appropriate office for opposition Proceedings - (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

A process for preparing N-(1-alkyl-2-pyrrolidyl-methyl)-3-alkoxy-(or hydroxy)-indole-2-carboxamides corresponding to the general formula I



and their salts of addition, particularly with aliphatic or aromatic acids, and their quaternary ammonium salts, in which formula W, X, Y and Z are either hydrogen or a halogen such as Cl, Br, F, or a branched or unbranched alkoxy radical of low molecular weight (from 1 to 5 carbon atoms), two radicals at least chosen from W, X, Y and Z, being hydrogen, the substituents being in 4 and 5—4 and 6—4 and 7—5 and 6—5 and 7—6 and 7, A and R are hydrogen or branched or unbranched alkyl radicals of low molecular weight (from 1 to 5 carbon atoms), and R<sub>1</sub> is an alkyl radical of 1 to 2 carbon atoms, which process comprises treating a 3-alkoxy-(or hydroxy)-indole carboxylic acid with a diimidazole derivative selected from the group of 1, 1'-disulphinyldiimidazole and 1,1'-carbonyldiimidazole in order to produce N-acyl imidazole, which is further reacted with an N-(1-alkyl 2-pyrrolidyl-methyl) amine to produce corresponding indole carboxamide, and if desired converting these compounds in a manner such as herein described, into their salts of addition particularly with aliphatic or aromatic acids, and their quaternary ammonium salts.

CLASS 172E. I.C.-B65h 75/36.

137457.

APPARATUS FOR PRODUCING A COILED THREAD PACKAGE.

EDDYBEL S.A., OF COIRA, SWITZERLAND.

Application No. 2178/72 filed December 18, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 30 Claims.

An apparatus for producing a coiled thread package constructed of a substantially continuous length of thread disposed in substantially annular layers forming a coil, each layer being constructed of a series of loops which progress along the annular layer of the coil, said apparatus comprising:

- a base plate having a substantially vertical axis;
- a thread depositing plate arranged above said base plate and having a substantially vertical axis, said axis of said depositing plate being arranged eccentrically with respect to the axis of the base plate, said base plate and said depositing plate being capable of relative movement toward and away from each other in vertical direction;
- means for yieldingly urging the said base plate and the said depositing plate into relative movement towards each other;
- means for rotating the said depositing plate around its axis;
- further means for causing a relative movement between the axis of the depositing plate and the base plate;

(f) a through bore on the said depositing plate providing a passage for the thread to be deposited on the base plate;

(g) a feeding device for the thread to be deposited on the base plate, said feeding device comprising:

- thread guiding means integral in rotation with the said depositing plate;
- a circular member arranged immediately above the depositing plate and presenting an annular track which is in fixed position with respect to the axis of said depositing plate and coaxial thereto;
- a freely rotatable roller supported by means integral in rotation with said depositing plate and caused to bear with its outer revolving peripheral surface against said track, said roller being supported by said supporting means in a position above and in proximity of the said bore in the depositing plate,

whereby the thread coming from a suitable supply is guided by the said thread guiding means so as to pass in the contact zone between the said roller and the said track onto which the roller travels, passages through the bore in the depositing plate and is deposited onto the base plate, upon rotation of the said depositing plate and relative movement between the axis of the depositing plate and the base plate.

CLASS 32F. I.C.-CO7d 99/06.

137458.

PROCESS FOR THE PRODUCTION OF THIAZOLO-TRIAZOLYLPHOSPHONOTHIOATES.

NIPPON SODA COMPANY, LIMITED, OF NO. 2-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 78/Cal/73 filed January 10, 1973.

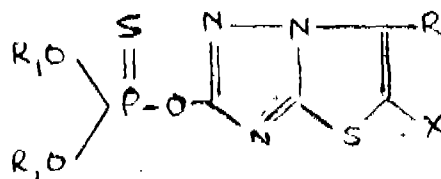
Application No. 1879/Cal/73 filed August 14, 1973.

One complete specification left under Section 9(2) of the Patents Act, 1970.

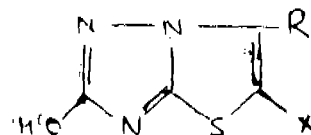
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

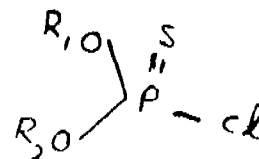
A process for the production of thiazolotriazolylphosphonothioates having the formula shown in Fig. 1.



wherein R is lower alkyl having 1 to 6 carbon atoms, R<sub>1</sub> and R<sub>2</sub> are same or different and represent lower alkyl having upto 6 carbon atoms and X is a halogen atom which comprises reacting a compound of formula 2.



where R and X have the above said meanings with a compound of formula 3.



wherein R<sub>1</sub> and R<sub>2</sub> have the above said meanings.

CLASS 85Q &amp; 139A. I.C.-CO1b. 31/04, F27 b 7/00.

137459.

APPARATUS FOR CALCINING CARBONACEOUS MATERIAL AND METHOD OF CALCINATION REALISED IN SAME.

GEORGY ALFONSOVICH VORMS, OF PROSPEKT OKTYABRYA 133, KV. 35, UFA, USSR, NIKOLAI TIMOFEEVICH POKHODENKO, OF ULITSA INTERNATSIONALNAYA 91, KV. 59, UFA, USSR., ANATOLY EREMEEVICH KULIKOV, OF PROSPEKT OKTYABRYA, 135/7, KV. 50, UFA, USSR, BORIS IZRAILEVICH BRONDZ, OF ULITSA KOLTSEVAYA 45, KV. 1, UFA, USSR, AND TAMARA VASILIEVNA MISCHENKO, OF ULITSA INTERNATSIONALNAYA, 187/1, KV. 29, UFA, USSR.

Application No. 105/Cal/73 filed January 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An apparatus for calcining carbonaceous materials, comprising; a rotary kiln provided with an opening for charging the carbonaceous material to be calcined at one end of the kiln; an opening for discharging the calcined carbonaceous material at the other end of the kiln; a pipe for controlled and distributed admission of air into the kiln over the whole length of the zone of evolution of volatile substances which are formed in the course of calcining of the carbonaceous material for the combustion of said volatile substances; a preheater for preheating the carbonaceous material, communicating with the charge opening of the kiln; a cooler for reducing the temperature of the calcined carbonaceous material, located from the side of the discharge opening of the kiln.

CLASS 70C<sub>4</sub> + C<sub>6</sub>. I.C.-C23b 5/26.

137460.

PROCESS FOR THE ELECTROCHEMICAL MANUFACTURE OF SILVER CONTAINING CATALYSTS.

SNAM PROGETTI, S.P.A., OF 16, CORSO VENEZIA, MILAN, ITALY.

Application No. 951/72 filed July 24, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A method of electrochemically manufacturing silver particles, which comprises subjecting a solution of a silver salt to a succession of cycles, each of which cycles includes a period of from 3 to 10 seconds during which electric current is passed in one direction through the solution and a period of from 3 to 60 seconds in which no electric current is passed through the solution.

CLASS 32F.d, 40B & 70C<sub>4</sub>. I.C.-C23b 5/02 & 5/26, BO1j 11/06, 11/08, 11/16 & 11/20, CO7d 1/14.

137461.

PROCESS FOR PRODUCING METALLIC SILVER POWDER.

SNAM PROGETTI, S.P.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Application No. 2027/72 filed November 29, 1972.

Application No. 2215/Cal/73 filed October 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A process for preparing silver powder, which comprises electrochemically depositing silver on a cathode by electrolysis of a solution containing cations of silver complexed with ammonia, and, during the electrolysis, removing the silver as a powder from the cathode as the silver is formed.

CLASS 67C, 68D &amp; 133A. I.C.-HO2h 1/00, 3/00.

137462.

A DEVICE.

DR. SATISH CHANDRA KAPOOR, OF 111/1/B2, I.I.T. COMPOUND, HAUZ KHAS, NEW DELHI, INDIA.

Application No. 2144/72 filed December 13, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A device adapted to disconnect a load from a three phase power source upon an asymmetry occurring in the power source with respect to the phase angle comprising a first phase detector connected across a first and second phase line, a second phase detector connected across said second and third phase line, a first voltage level detector connected to said first phase detector and a second voltage detector connected to said second detector, a logic circuit connected to the output of said voltage detectors, said logic circuit connected to an actuating means and which is operable upon the presence of a voltage signal appearing in the output of said logic circuit.

CLASS 67C, 68D &amp; 133A. I.C.-HO2h 1/00, 3/00.

137463.

A DEVICE ADAPTED TO BE CONNECTED TO A LOAD AND CAPABLE OF DISCONNECTING THE LOAD FROM A POWER SOURCE.

DR. SATISH CHANDRA KAPOOR, OF 111/1/B2, I.I.T. COMPOUND, HAUZ KHAS, NEW DELHI, INDIA.

Application No. 1423/Cal/74 filed June 26, 1974.

Division of Application No. 2144/72 filed December 13, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A device for disconnecting a load from a three phase power source upon a single phasing condition occurring in the power source comprising a first circuit adapted to detect an asymmetry occurring in said power source with respect to the phase angle, said first circuit including a first logic circuit, a second circuit adapted to detect an asymmetry occurring in said power source with respect to the voltage, said second circuit including a second logic circuit, the logic circuits of said first and second circuits connected to a third logic circuit and an actuating means and such that said actuating means is operable upon a output signal appearing from said third logic circuit.

CLASS 67C, 168C &amp; 206E. I.C.-GO1r 13/00.

137464.

APPARATUS FOR OPERATING SEGMENTED-ELECTRODE DISPLAY DEVICES WHICH ARE THRESHOLD-RESPONSIVE TO SELECTION SIGNALS.

BURROUGHS CORPORATION, AT SECOND AVENUE, DETROIT, MICHIGAN 48232, U.S.A.

Application No. 747/Cal/73 filed April 2, 1973.

Convention date January 18, 1973/(2711/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Apparatus for operating threshold-responsive display devices having a plurality of groups of cathode electrodes and an anode electrode associated with each group, corresponding cathodes of the different groups being interconnected, said apparatus comprising

means for applying positive-going signal voltages to the anode electrodes independently,

means for driving negative-going current pulses to selected ones of the cathode electrodes concurrent with energization of the anode electrodes,

capacitance means for storing and applying operating bias potential to each of the cathode driving means, and

means coupled to the capacitance means and to the cathode drivers for charging the capacitance means to regulate the potential across it so that the threshold of the selected position in the device is exceeded and it becomes activated.

CLASS 35E. I.C.-CO4b 35/14, F27d 1/04.

137465.

METHOD OF MANUFACTURING SILICA REFRACTORY BRICKS.

ORISSA CEMENT LIMITED, OF RAIGANGPUR, DIST-SUNDARGARH, ORISSA, INDIA.

Application No. 1654/Cal/73 filed July 16, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings.

A method for the manufacture of silica refractory shaped masses comprising adding 0.1 to 2.5% by wt. of a mixture of  $Al_2O_3$  and  $TiO_2$  yielding materials to silica aggregates such as, quartzite, silica grog, sandstone, silica sand and the like with the addition of calcium bearing materials, intimately mixing the ingredients with water, moulding the mixture into desired shapes, drying and firing the shaped masses at a temperature of not less than  $1300^\circ C$ , preferably at above  $1400^\circ C$ .

CLASS 114E. I.C.-DO6g 1/00, C14C 1/00. 137466.

#### PROCESSING DRUM FOR TREATING HIDES.

COLOMER MUNMANY, S.A., OF SAN FRANCISCO, NO. 1, VICH (BARCELONA), SPAIN.

Application No. 676/Cal/73 filed March 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A cylindrical type drum for hide treatment processes which is arranged to rotate about the axis of the cylinder, and has two ducts extending around more than  $180^\circ$  of the outside of the drum cylindrical face, the ducts communicating with the interior of the drum through respective connections arranged diametrically opposite each other, and the other ends of the ducts being presented in the same direction and also being at diametrically opposite sides of the drum, the arrangement being such that loading and unloading is automatically accomplished through the ducts upon reversal of the direction rotation of the drum.

CLASS 106. I.C.-FO2m 47/02. 137467.

#### FUEL INJECTOR.

STANADYNE, INC., OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 1214/Cal/73 filed May 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A liquid fuel injector for delivering measured charges of liquid fuel to the combustion chamber of an associated engine comprising a tubular body having a bore provided with a valve seat and a discharge tip at one end thereof, a pressure operated inwardly opening valve disposed in said bore an apertured valve guide mounting said valve for reciprocating movement toward and away from the valve seat, a coil spring for biasing said valve toward said valve seat, a lift stop fixed to the injector body and having a stem extending into said coil spring, a spring seat engageable with the valve at the end remote from the valve seat, said spring seat being secured to the end of said spring for lateral movement in unison therewith and having a surface engageable with said valve for free lateral movement relative thereto, said spring engaging said stem with a close sliding fit to provide the sole lateral support for the spring seat.

CLASS 166A. I.C. B60f 3/00. 137468.

#### TRANSPORT VEHICLE.

KONIJN MACHINEBOUW B.V., OF ELECTRONWEG (HN 80), HOORN, HOLLAND.

Application No. 983/Cal/73 filed April 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A transport vehicle having a main body and adapted to displace itself overland and/or through the water, characterized in that a plurality of legs each pivotally connected with the main body and each carrying a reaction body at its free end

may be brought by means of a power mechanism into a swinging movement with respect to the main body in such manner that the vehicle is displaced by the reaction forces exerted on the reaction bodies.

CLASS 33E & 136E. I.C.-B29f 1/02. 137469.

#### INJECTION MOULDING MACHINE FOR MOULDING SYNTHETIC RESIN.

NISSEI PLASTICS INDUSTRIAL CO. LTD., AT 2110, OAZA MINAMIJO, SAKAKI-MACHI, HANISHINA-GUN, NAGANO-KEN, JAPAN.

Application No. 904/Cal/73 filed April 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An injection moulding machine for moulding a synthetic resin, the machine comprising a mould clamping device, an injection unit fixed to a block, and a piston-and-cylinder unit the mould clamping device and the injection unit and block being mounted opposite to one another on a bed of the machine, the piston-and-cylinder unit being arranged to drive the injection unit and block in reciprocating movement along said bed relative to the clamping device for the purpose of advancing and retracting an injection nozzle of the injection unit with respect to the mould clamping device, the injection unit and block incorporating therein hydraulic circuitry having hydraulic devices, for driving the injection unit.

CLASS 98G. I.C.-F28 f 1/00. 137470.

#### COOLING TUBE FERRULE.

FOSTER WHEELER CORPORATION, LOCATED AT 110 SOUTH ORANGE AVENUE, LIVINGSTON, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 1604/72 filed October 9, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims.

A heat exchanger for cooling a gas containing hot hydrocarbon comprising :

a tube sheet;

a refractory on one side of said tube sheet;

a plurality of holes in said tube sheet;

a plurality of holes in said refractory, said refractory holes each being coaxial with one of said holes in said tube sheet and flared outwardly away from said tube sheet;

a plurality of tubes, the inlet end of each being positioned within one of said holes, said tubes extending beyond the other side of said tube sheet to an outlet end;

a ferrule positioned within the inlet end of each of said tubes, each of said ferrules having a portion at its inlet end which is gradually flared outwardly and which projects beyond the inlet ends of said tubes and beyond said refractory, the outside surface of each of said flared portions engaging flat against the side wall of one of said holes in said refractory, each of said ferrules having an outlet end portion between the other side of said tube sheet and said outlet ends of said tubes, said outlet end portion being of an outside diameter of said tubes and a central portion connecting said outlet end portion and said flared portion, said central portion having an outside diameter less than the inside diameter of said tubes.

CLASS 189. I.C.-A61K, 7/16. 137471.

#### TOOTHPASTE.

COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Application No. 879/72 filed July 17, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A toothpaste formulation comprising a toothpaste base as herein described, having dispersed therein microscopically visible particles, as herein described, said particles including a functional ingredient for promoting hygiene in the oral cavity and a binding agent, said binding agent being chosen from the group consisting of thermoplastic resins, gums, gels, polymers, paraffins and waxes having a molecular weight from 500 to 20,000 and hardness (ASTM D 1321) of 1 to 15, said functional ingredient being selected from the group consisting of anticaries, antimicrobial, desensitizing, enzyme, optical brightening, astringent, flavoring and sweetening materials.

CLASS 67C, 89, 126A, 129M & 206E, I.C.-B23d 31/00.  
137472.

## SENSING SYSTEM FOR CUT-TO-LENGTH SHEAR.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1898/72 filed November 14, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An apparatus for controlling and actuating a cutting-shear for cutting strip material moving on a process line, characterized by : a first sensor associated with the process line for deriving a first voltage proportional to a moving speed of said strip material, a shear-signal actuator for actuating the cutting shear to cut predetermined lengths of said strip material along the process line, an adjustable voltage reference source for deriving a second voltage representative of said predetermined length, a circuit associated with the process line for deriving a third voltage which is representative of the instantaneous length of strip material passing said cutting shear, an additional sensor associated with the said first sensor for deriving a voltage signal which is an equivalent of said first voltage multiplied by fraction  $\frac{inertia}{t}$  where inertia is the time required

for the cutting shear to respond to said shear signal actuator and 't' is the running time required for said predetermined length to pass the cutting shear at maximum line speed; and a signal provider for deriving a shear control signal and actuate said cutting shear to initiate a shear signal when the sum of said third voltage and said voltage signal substantially equals the second voltage, so as to compensate for the inertia of the cutting shear.

CLASS 133B. I.C.-B60L 3/00. 137473.

## COMBINED ELECTRICAL SWITCH AND LOCK ASSEMBLY.

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, 19 ENGLAND.

Application No. 1638/Cal/73 filed July 12, 1973.

Convention date July 25, 1972/(34685/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A combined electrical switch and lock assembly comprising a plurality of fixed electrical contacts, a rotor member adapted to be rotated by a key operated lock mechanism, an electrical contact mounted for movement with the rotor member between a plurality of angular positions relative to the fixed contacts, and the locking device including a cam member rotatable with the rotor member and a pair of locking elements resiliently biased into engagement with a cam member, the cam member being profiled so that, in a first angular position of the rotor member, one of the locking elements is urged by the cam member into a position in which in use, it resists operation of a control of a machine equipped with the assembly and, in a second angular position of the rotor member, movement of the rotor member into a third angular position is prevented if the other locking element is fixed against movement opposing the resilient bias, in use, by the or a control of the machine.

CLASS IC. I.C.-CO9j 3/06.

137474.

## A METHOD OF PREPARING A GUM OR ADHESIVE.

R. K. CHEMICAL INDUSTRIES PVT. LTD., OF 142/1, RADHA BAZAR STREET, CALCUTTA-1, WEST BENGAL, INDIA.

Application No. 1793/Cal/73 filed August 2, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A method of preparing a gum or adhesive in a powdery form, which involves the undermentioned steps :—

(a) heating starch to a temperature of 250°C for a period of four to five hours;

(b) adding dilute mineral acid to the said starch during the aforesaid step for heating;

(c) adding borax (and if desired, other sodium salts also) to the heated starch;

(d) thoroughly mixing the resulting mass and grinding it to a fine powder.

CLASS 83A. I.C.-C12C 11/08, 11/16.

137475.

## PROCESS FOR PRODUCING YEAST CELLS.

MITSUBISHI GAS CHEMICAL COMPANY, INC., OF 5-2, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 2335/Cal/74 filed October 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for producing yeast cells, characterized by culturing in a medium containing methanol and/or ethanol as main carbon sources a strain belonging to the species *Torulopsis methanotermo* and capable of assimilating methanol and/or ethanol, thereby growing the cells of said strain, and then recovering such as by centrifugation, filtration or precipitation, the cells from the medium.

CLASS 116G. I.C.-B66f 19/00.

137476.

## A RAILWAY CAR TRUCK BOLSTER.

AMSTED INDUSTRIES INCORPORATED, OF 3700 PRUDENTIAL PLAZA, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Application No. 2135/Cal/73 filed September 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Railway car truck bolster having top and bottom walls, spaced side walls interconnecting said top and bottom walls, said spaced side walls defining inboard and outboard sides of a friction shoe pocket, an opening in the bottom wall affording access to said pocket by an associated shoe-actuating spring, and a sloping wedge wall connected to and extending above said top wall to afford a downwardly facing wedge surface for an associated shoe in said pocket, characterized by a hood integrally connected to inboard and outboard edges of said wedge wall and to said top wall along said sides.

CLASS 152E. I.C.-EO4C 1/40, CO9j 7/02.

137477.

## A UNITARY-BONDED LAMINATE AND METHOD OF FORMING SAME.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1642/72 filed October 12, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

A unitary-bonded laminate comprising layers of sheet material impregnated with a cured resinous composition comprising a mixture of a liquid epoxy resin and the maleic anhydride adduct of methylcyclopentadiene admixed with benzophenone-tetracarboxylic dianhydride, the amount of said adduct being sufficient to dissolve the benzophenone-tetracarboxylic dianhydride.

CLASS 160C. I.C.-B60S 1/04. 137478.

UNITARY WINDSCREEN WIPER HARNESS AND A METHOD OF MANUFACTURE THEREOF.

TRICO PRODUCTS CORPORATION, OF 817 WASHINGTON STREET, BUFFALO, NEW YORK, 14203, UNITED STATES OF AMERICA.

Application No. 820/Cal/73 filed April 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A method of manufacture of a unitary windscreen wiper harness comprising a series of spans and resilient, flexible connecting means securing one span to an adjacent span, wherein the harness is formed of a thermoplastic material under heat and pressure in a mould with the spans in relative positions, substantially displaced from their operative relative positions, and the harness is removed from the mould while the material is in a pliant condition, and the spans are thereupon relatively rotated into their operative relative positions, in which they are partially overlapping, with their longitudinal axes generally in alignment with each other, and the spans remain in their operative relative positions until the material has cooled sufficiently to set.

CLASS 22 & 50A. I.C.-F17C 3/08. 137479.

VACUUM RETAINING JAR.

BRIGHTON CORPORATION LIMITED, OF TOKYO CENTRAL, NO. 5-34, 8 CHOME, AKASAKA, MINATOKU, TOKYO, JAPAN.

Application No. 2296/Cal/73 filed October 16, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A vacuum retaining jar comprising, a thermoplastic outer shell and a thermoplastic inner shell positioned therewithin to provide a space between the facing surfaces of the shells, said shells being of generally U-shaped cross-sectional configuration with open upper ends, an annular metal ring provided on the outer surface of the inner shell and on the inner surface of the outer shell respectively at the upper ends thereof, the facing surfaces of the shells being coated with a metallic air insulating layer, said rings being secured together to seal the upper ends of the shells and the space therebetween, and a nozzle opening to the space for evacuating the air therein to create a vacuum-between the shells.

CLASS 195C. I.C.-F16K 1/00, 21/00. 137480.

IMPROVEMENTS IN OR RELATING TO PINCH VALVES.

SUMITRAPPA PUTTARAJU, 14, POTTERY ROAD, RICHARDS TOWN, BANGALORE-5, MYSORE STATE, INDIA.

Application No. 67/Mas/73 filed May 9, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 7 Claims.

A pinch valve which consists of a flanged rubber or flexible plastic cylindrical liner held in-between two pincher arms crosswisely at its centre, one upper arm and the other lower arm, both the said pincher arms being simultaneously and automatically movable by an operating means, in opposite directions, towards or away from the said rubber or flexible plastic liner, to close or open the aperture thereof respectively

to shut or allow the flow of the liquids for which the pinch valve is used, the said operating means comprising mainly a hollow shaft or spindle which is threaded both internally and externally and a driving wheel fixed at its free end for manually operating the valve.

CLASS 17 & 83A. I.C.-AOIC 1/02. 137481.

METHOD AND APPARATUS FOR PROCESSING GRANULAR AND OTHER MATERIALS.

PHILDON ENGINEERING CO. PTY. LTD., OF 72-76 WESTGARTH STREET, FITZROY, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Application No. 1575/72 filed October 5, 1972.

Convention date October 5, 1971/(PA6521/71) Australia.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims.

A grain treating process including the steps of : feeding a quantity of grain into a compartment of a cylindrical vessel which is mounted with its axis substantially horizontal and is rotatable about axis, said compartment being separated from another compartment of the vessel by a perforated floor member which forms a longitudinal division within said vessel; feeding a quantity of liquid into said vessel; rotating said vessel to mix said grain and said liquid; stopping the rotation of said vessel in a position such that said grain is supported on said floor member, causing air to flow in said vessel to pass upwardly through said perforated floor member and the bed of grain supported thereon to maintain said grain in a condition suitable for germination; and after germination of said grain, passing heated air upwardly through said perforated floor member and said bed of grain so as to dry said grain.

CLASS 50A. I.C.-F17C 3/08, A47f 41/00. 137482.

VACUUM-INSULATED VESSEL WITH COATED SHELL AND METHOD OF MAKING THE SAME.

THE BRITISH OXYGEN COMPANY LIMITED, OF HAMMERSMITH HOUSE, LONDON W6 9DX, ENGLAND.

Application No. 36/Cal/73 filed January 5, 1973.

Convention date January 7, 1972/(924/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims.

A vacuum-insulated vessel comprising an insulating shell having as a lining and coating a one-piece layer of impermeable flexible material.

CLASS 206-I. I.C.-HO4b 1/00, 3/04. 137483.

CIRCUITRY FOR SIMULTANEOUS AND ADJUSTABLE EQUALIZATION OF THE GROUP DELAY AND AMPLITUDE CHARACTERISTICS IN TRANSMISSION SYSTEMS.

TAVKOZLESI KUTATO INTEZET, OF 65, GABOR ARON UTCA, BUDAPEST II, HUNGARY.

Application No. 1408/Cal/73 filed June 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim.

Circuitry for the realization of a method for simultaneous and adjustable equalization of the group delay and amplitude characteristics of a transmission system, comprising one or several circuit groups, made up of buffer amplifiers having constant frequency characteristics in the frequency band to be equalized, a hybrid circuit, a resonant circuit, and a terminating resistance, characterized in that the first pair of terminals (1) of the hybrid circuit (H) is connected to the output of a first wideband amplifier (E<sub>1</sub>), its third pair of terminals (3) to the input of a second wideband amplifier (E<sub>2</sub>), whereas the second pair of terminals (2) is terminated by the characteristic impedance (R<sub>0</sub>) of the hybrid circuit, and the fourth pair



of terminals (4) is terminated by a resonant circuit (Z) with adjustable loss resistance (R), adjustable inductance (L) and adjustable capacitance (C).

CLASS 105B, 168B & 206E. I.C.-A61b / 10. 137484.

#### A METHOD FOR IDENTIFYING INDIVIDUALS USING SELECTED CHARACTERISTIC BODY CURVES.

ROLF ERIC ROTHFJELL, OF LUNTMARKARGATAN 52, S-113 58 STOCKHOLM, SWEDEN.

Application No. 1807/72 filed November 3, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

An identification card comprising,

at least one image of the face of an individual;

at least one selected characteristic curve, said curve being on a separate surface from said image, but said curve superimposed on one side of the image in a position so that it corresponds to a curve in said image;

a laminating material laminating together the image and characteristic curve.

#### OPPOSITION PROCEEDING

(1)

Application for Patent No. 72095 made by Smith Stanistreet & Co., Ltd., an opposition to which entered by Bengel Laboratories Limited was notified in the Gazette of India, Part III, Section 2, dated the 11th August, 1962, has been treated as abandoned.

(2)

The opposition entered by Belpahar Refractories Limited to the grant of a patent on application No. 130542, made by Orissa Cement Limited as notified in Part III, Section 2 of the Gazette of India, dated the 2nd September 1972, has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

#### CORRECTION OF CLERICAL ERROR

Under Section 78(1) of the Patents Act, 1970 certain clerical error occurring in the specification of patent application No. 91319 was corrected on the 20th June 1975.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees for copy :—

(1)

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111874 113607 127785 128485 128792 129818 129984 130620 131384 131992 132187 132667 132671 132672 132688 133007 133312

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#### PATENTS SEALED

92488 105872 110457 111283 114805 127750 129457 130524 130892 131606 133092 133317 133701 133725 134010 134392 134495 134608 134632 134766 134845 134949 134950 134951 135237 135267 136108 136116 136117 136121 136122 136126 136127 136128 136129 136140 136141 136143 136145

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Girling Limited in respect of Patent application No. 134889 as advertised in Part III, Section 2 of the Gazette of India dated the 1st March 1975 have been allowed.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

##### (PATENTS)

Assignments, licences or other transaction affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

100034.—M/s Fichet-Bauche.

105152. } —Schmid Laboratories, Inc.  
123587. }

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

125604 (6-3-70) Improvements in or relating to the electro-chemical production of iron powder from mill scale produced during rolling operations in steel rolling mills or materials of similar nature.

125907 (25-3-70) Improved method of melting cast iron.

126257 (18-4-70) Process and apparatus for the supply of alumina to igneous electrolysis tanks for the preparation of aluminium.

128065 (18-2-70) Reactor and process for producing pigment quality titanium dioxide.

128132 (22-8-70) Process for the preparation of phosphorus dichlorides.

129119 (4-11-70) A method of preparing a catalyst of vanadium titanium oxides for vapor-phase oxidation

and oxidizing ammonolysis of aromatic and heterocyclic compounds.

## RENEWAL FEES PAID

71309	72538	72813	73000	73006	73127	73114	73144	73201
73282	73485	74090	74384	76160	77303	77341	77401	77474
77574	77598	77661	77880	77905	78130	78204	78264	78352
78378	78381	78766	78767	79126	79815	80597	82858	83025
83064	83089	83133	83134	83136	83165	83169	83280	83323
83335	83352	83397	83413	83501	83502	83503	83546	83593
83612	83676	83702	83846	83858	83867	83908	84129	84256
84464	84625	84972	85599	87536	88323	88506	88636	88649
88650	88686	88710	88719	88747	88760	88784	88787	88795
888817	88825	88828	88934	88967	89024	89025	89055	89069
89077	89162	89168	89179	89281	89333	89370	89405	89552
89567	89871	89880	89999	90072	90080	90091	90665	90916
94305	94332	94368	94388	94574	94575	94576	94588	94617
94657	94672	94682	94732	94740	94782	94805	94818	94819
94828	94876	94900	94919	94902	94942	94955	94961	94982
94998	95017	95025	95064	95098	95111	95148	95390	95479
95480	95798	95855	99316	100255	100256	100300	100332	
100482	100516	100523	100599	100662	100679	100698	100733	
100734	100738	100761	100786	100810	100846	100878	100922	
100923	100977	100980	101024	101025	101166	101194	101404	
101405	101406	101453	101495	101536	101779	101784	101797	
101798	102000	105729	105780	105863	105892	105897	105907	
105966	106030	106035	106042	106085	106091	106109	106174	
106178	106237	106266	106294	106300	106301	106373	106393	
106518	106544	106575	106633	106699	106719	106745	106746	
106827	106889	106948	107073	107136	107214	107282	107352	
107425	108219	109880	110685	110702	111152	111187	111237	
111262	111320	111331	111340	111370	111429	111443	111444	
111453	111459	111480	111492	111509	111618	111623	111649	
111680	11684	111749	111766	111798	111799	111865	111895	
111933	111962	111964	111983	112016	112090	112123	112164	
112228	112271	112282	112283	112289	112342	112405	112408	
112439	112466	112533	112578	113737	114614	115208	115330	
115941	116223	116283	116347	116500	116535	116597	116640	
116650	116667	116723	116751	116752	116756	116763	116764	
116785	116786	116790	116816	116835	116872	116912	116992	
117003	117016	117031	117039	117219	117234	117252	117316	
117453	117454	117455	117456	117474	117542	117603	117614	
117619	117678	117747	117795	117828	118413	118414	118415	
118485	119005	119385	120560	121617	121906	121969	122004	
122015	122016	122036	122070	122071	122105	122111	122148	
122155	122182	122207	122234	122238	122269	122272	122310	
122328	122342	122353	122409	122426	122437	122444	122467	
122536	122557	122558	122562	122563	122565	122629	122637	
122781	122815	122816	122838	122846	122901	122946	122948	
123016	123055	123086	123190	123252	123267	123315	123329	
123373	123631	123665	124237	124238	124455	125291	126370	
126465	126595	126640	126927	127203	127225	127301	127345	
127352	127353	127354	127355	127357	127366	127399	127415	
127416	127451	127500	127505	127524	127542	127580	127653	
127673	127674	127709	127715	127721	127722	127733	127734	
127769	127785	127973	127997	128008	128009	128052	128065	
128068	128082	128132	128184	128195	128199	128253	128256	
128388	128465	128509	128542	128621	128651	128664	129116	
129137	129138	129696	129772	129940	130543	130847	130942	
131344	131530	131649	131650	131672	131894	131915	131954	
131964	131987	132005	132036	132037	132085	132090	132114	
132158	132172	132173	132174	132197	132198	132214	132215	
132222	132235	132241	132264	132265	132277	132302	132307	
132312	132349	132351	132459	132496	132503	132572	132577	
132615	132659	132736	132754	132785	132792	132804	132810	
132824	132832	132866	132878	133047	134075	134209	134289	
135103	135177	135199	135210	135418	135473	135474	135475	
135490	135503	135507	135525	135545	135546	135555	135575	
135627	135643	135756	135775	135883	135961	135962	135976	

135983 135996 136031 136054 136068 136077 136131 136132  
136135 136136 136137 136361

## CESSATION OF PATENTS

74418 74512 74518 74632 74689 74707 74709 74717 74760  
74831 74912 74945 74946 74953 75078 75079 75080 75192  
75198 75251 75420 75556 75581 75627 75669 75748 75749  
75772 75898 75956 76593 76995 77127 77275 77582 78120  
78821 79155 79323 79598 79657 79681 79724 79764 79841  
79846 79868 79892 80041 80103 80119 80120 80217 80263  
80310 80400 80419 80428 80435 80439 80510 80540 80626  
80628 80709 80732 80794 80823 80837 80838 80897 81004  
81017 81043 81282 81344 81356 81386 81449

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

CLASS 1. No. 142437. Mehta Engineering Enterprise, An Indian Registered Partnership Firm, having its office at : Saki Vihar Road, B. D. Joshi Bldg. Powai, Bombay-400072, Maharashtra, India. "Push button switch position indicator". November 15, 1974.

Class 1. No. 142527. Pressure Cookers & Appliances Private Ltd., United Indian Buildings, Sir Pheroze-shah Mehta Road, Bombay-400001, Maharashtra State, India, A company incorporated in India. "Cap for the vent pipe of pressure cooker". December 18, 1974.

Class 1. No. 142528. Pressure Cookers & Appliances Private Ltd., United Indian Buildings, Sir Pheroze-shah Mehta Road, Bombay-400001, Maharashtra State, India, A company incorporated in India. "Cap for the steam vent pipe of pressure cooker". December 18, 1974.

Class 1. No. 142738. Ambassador Industries, 13, Beedan-pura, Karol Bagh, New Delhi-5, an Indian partnership concern, "Air Cooler". February 18, 1975.

Class 1. Nos. 142749, 142750 & 142751. Ultimus Industries, An Indian Registered partnership firm having its office at : 7, Taher Manzil, 1st floor, Kolsa Cross Lane, Pydhownie, Bombay-400002, Maharashtra, India. "Burner plate for stoves". February 22, 1975.

Class 1. No. 142752. Ultimus Industries, An Indian Registered Partnership firm having its office at : 7, Taher Manzil, 1st floor, Kolsa Cross Lane, Pydhownie, Bombay-400002, Maharashtra, India. "Stove burner". February 22, 1975.

Class 1. No. 142821. Narendra & Company, An Indian Proprietary concern, Gandhi Road, Dehradun (U.P.), India. "Sporting pistol". March 21, 1975.

Class 1. No. 142822. Mico Lock Service, An Indian Proprietary Concern, Usman Para, Aligarh, U.P., India, "Lock". March 21, 1975.

Class 3. Nos. 142431, 142432, 142433 & 142434. Ceesham Traders, An Indian Partnership Firm, Seksaria Industrial Estate, 2nd floor Chincholi, Swami Vivekanand Road, Malad, Bombay-64, Maharashtra State, India. "Decorative fitting for vehicles". November 14, 1974.

Class 3. No. 142507 & 142508. Ceesham Traders, an Indian partnership firm, Seksaria Industrial Estate, 2nd floor, Chincholi, Swami Vivekanand Road, Malad, Bombay-64, Maharashtra, India. "Wheel Cap". December 13, 1974.

Class 3. No. 142578. Nita Trading Co., an Indian Partnership concern, C 1/2, Rana Partap Bagh, Delhi-110007, India. "Night lamp". December 30, 1974.

- Class 3. No. 142614. Laxmi Products, a sole proprietary firm of Laxmi Nivas, Veer Savarkar Path, Near Marathi School No. 2, Thana-2, Maharashtra, India. An Indian. "Pin of a plug". January 10, 1975.
- Class 3. No. 142646. Bhavarial Chhaganlal Mehta, Mehta Enterprises, 239, Sahakar Nagar, Poona-9, Maharashtra State, India, A subject of the Republic of India. "Container". January 17, 1975.
- Class 3. No. 142664. Aavaran Limited, a Company Incorporated in India. Alembic Road, City of Baroda, State of Gujarat, India. "Feeding Bottles" January 25, 1975.
- Class 3. No. 142666. Pams Industries of Unit No. 9, Ground Floor, 4-B, Shanti Nagar, Vakola, Santacruz East, Bombay-400055, State of Maharashtra, India, a partnership firm registered under Indian partnership Act. "Basket". January 25, 1975.
- Class 3. No. 142667. Pams Industries, of Unit No. 9, Ground Floor, 4-B Shanti Nagar, Vakola, Santacruz East, Bombay-400055, State of Maharashtra, India, a partnership firm registered under Indian Partnership Act. "Container". January 25, 1975.
- Class 3. No. 142668. Pams Industries, of Unit No. 9, Ground Floor, 4-B Shanti Nagar, Vakola, Santacruz East, Bombay-400055, State of Maharashtra, India, a partnership firm registered under Indian partnership Act. "Multi-purpose box". January 25, 1975.
- Class 3. No. 142680. Ramlal Khandelwal C/o. Ms. Sha Taraji Ramlal, No. 18, Kasi Chetty Street, Madras-600001, Tamil Nadu, India, Indian National, "Containers". January 30, 1975.
- Class 3. No. 142784. Moona Plastic Industries, Subhash Nagar, Off Caves Road, Jogeshwari (East), Bombay-400060, Maharashtra State, India, an Indian partnership firm. "Lid of the container". March 11, 1975.
- Class 3. No. 142786. Arora Plastics Private Limited (a private limited company incorporated under the Indian Companies Act), 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra State, India. "Teapoy". March 11, 1975.
- Class 3. No. 142828. Kanuprio Paul, an Indian National, 24, Sushila Sadar, Manchobhai Road, Malad (East), Bombay-400062, Maharashtra State, India. "Ball pen with penstand". March 24, 1975.
- Class 3. No. 142829. Kanuprio Paul, an Indian National, 24, Sushila Sadar, Manchobhai Road, Malad (East), Bombay-400062, Maharashtra State, India. "Tray with ball pens." March 25, 1975.
- Class 3. No. 142839. Navin Bhagwandas Mehta, an Indian National of Bhatt Building, 7, Rajputpara, Rajkot-360001, Gujarat State, India. "Self-inking Rubber Stamp". March 29, 1975.
- Class 4. No. 142451. Amrut Distilleries Private Limited, a company incorporated in India, of Sampangi Tank Road, Bangalore-560027, Karnataka, "Glass bottles". November 23, 1974.
- Class 4. No. 142606. Mit-N-MIR, An Indian registered partnership firm, having its office at : Chandradeep Apartment, Rangildas Mehta Sheri Naka, Gopipura, Surat-2, Gujarat State, India. "Prefabricated inlet structure". January 7, 1975.
- Class 4. No. 142665. Aavaran Limited, a Company Incorporated in India, Alembic Road, City of Baroda, State of Gujarat, India. "Feeding bottles". January 25, 1975.
- Class 4. No. 142817. Ved Parkash, of Gulshan Material Corporation, 1890, Gali Ghante Wali, Chandni Chowk, Delhi 6, an Indian national. "Bottles". March 19, 1975.
- Class 10. No. 142398. Mahabali Bajrangbali Industries, 6183, Pakki Gali, Bara Hindu Rao, Delhi-6, a sole proprietary concern. Indian. "Shoes". November 2, 1974.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 135098 & 135099.....Class 1.

#### CANCELLATION OF THE REGISTRATION OF DESIGNS SECTION-51A.

The application made by Manjeet Singh Chawla and others trading as M/s. M. S. Chawla & Co. for cancellation of the registration of Design No. 141937 in the name of Weston Electronics Private Ltd. which was notified in the Gazette of India, Part-III, Section 2 dated the 28th December, 1974 has been dismissed.

S. VEDARAMAN

Controller-General of Patents, Designs and Trade Marks

